BENCHMARK (NAVD88)
N: 657167.77
E: 1740876.16
ELEV: 528.41

INSPECTIONS REQUIRED

Proof-rolling of street subgrades and concrete ramp forms inspection by the NDOT Inspector are required prior to placing stone or pouring concrete, 24 hour advance notice required.

CALL 615-862-8782

Nashville Department of Transportation
And Mobility Infrastructure
EXCEPTION TAKEN AS NOTED

This review does not relieve the applicant (s) from compliance with the rules, regulations, and specifications of this department and other governmental agencies. This check is only for general conformance with the requirements of the Nashville Department of Transportation.

3.21.23

Signed Date

In-lieu contribution. Sidewalk construction not required

Construct driveway apron per ST-322. Driveway must be 4' off property line and 25' from adjacent access points

INSTALL PERMEABLE PAVERS SYSTEM
(716 SF @ 6" LOWER STONE DEPTH)
DIVERT ALL ROOF DRAINAGE TOWARD PAVERS

INSTALL MIN. 15" RCP WITH HEADWALL

PROPOSED SIDEWALK (SEE SIDEWALK PLAN FOR DETAILS)

(10511000300)
618 SOUTHGATE AVE

(10507032200)
0 MARTIN ST

(10507032500)
1609 MARTIN ST

(10511000500)
614 SOUTHGATE AVE

(10507032600)
1611 MARTIN ST

SOUTHGATE AVE (60' R.O.W.)

N8°39'11"E 153.06
5' SETBACK
11'
5.1'
24.4'
4'-0"
50.21
N83°08'37"W
33.3' CONTEXTUAL SETBACK
32.5'
unit 616A
PROPOSED RESIDENCE
60.2'
20.6'
39.9'
unit 616B
PROPOSED RESIDENCE
52.6'
5' SETBACK
S82°39'20"E 50.01
5' SETBACK
S8°35'06"W 152.63
34.5'
528

GRAPHIC SCALE (IN FEET)
20 0 10 20 40
1 inch = 20 ft.

JOHN S. PATTESON
REGISTERED LAND SURVEYOR
AGRICULTURE
COMMERCE
TENNESSEE NO. 1829

CLINT ELLIOTT SURVEY
P.O. Box 331875
Nashville, TN 37203
clintelliottsurvey.com
(615) 490-3236

Site Plan
616 Southgate Avenue
Nashville, Davidson County, Tennessee

Drafted By: MH
Sheet No.
V-2.1

BENCHMARK (NAVD88)
N: 657167.77
E: 1740876.16
ELEV: 528.41

SOUTHGATE AVE
(60' R.O.W.)

(10511000300)
618 SOUTHGATE AVE

(10507032200)
0 MARTIN ST

(10507032500)
1609 MARTIN ST

(10511000500)
614 SOUTHGATE AVE

(10507032600)
1611 MARTIN ST

INSTALL NEW CONSTRUCTION ENTRANCE
(SEE METRO BMP FOR DETAILS)

DEMO EXISTING BUILDINGS & CONCRETE
(COORDINATE WITH METRO CODES)

INSTALL NEW SILT FENCE
(SEE METRO BMP FOR DETAILS)

PIPE
IE=526.92

PIPE
IE=526.76

Mailbox

N8°39'11"E 153.06

N83°08'37"W 50.21

S82°39'20"E 50.01

S8°35'06"W 152.63

34.5'

SF

528

24"

28"

GRAPHIC SCALE (IN FEET)
20 0 10 20 40
1 inch = 20 ft.

JOHN S. PATTESON
REGISTERED LAND SURVEYOR
AGRICULTURE
COMMERCE
TENNESSEE NO. 1829
3/2022

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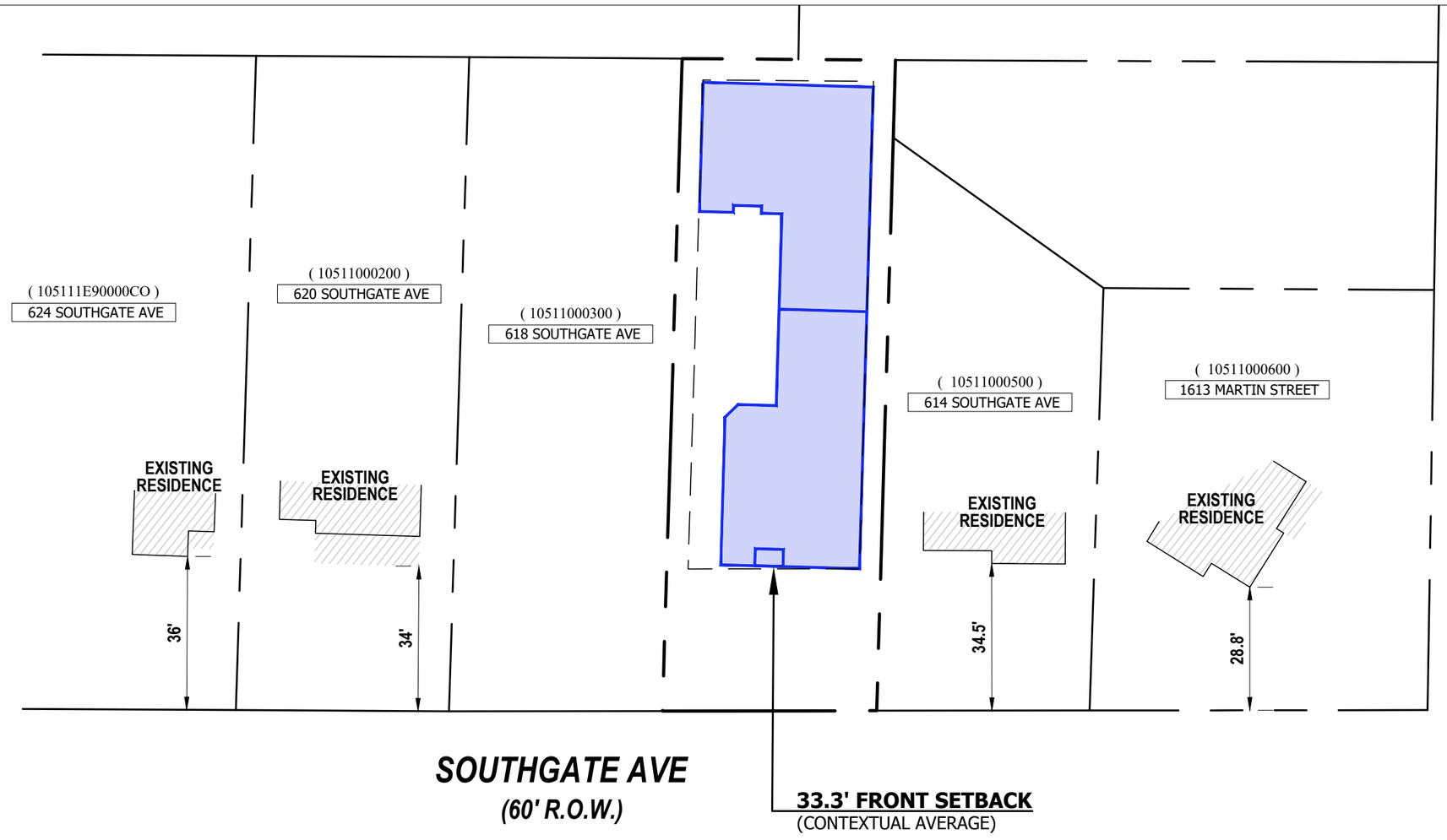
EPSC Plan

616 Southgate Avenue
Nashville, Davidson County, Tennessee

Sheet No.
V-2.2



GRAPHIC SCALE (IN FEET)

30 0 15 30 60

1 inch = 30 ft.

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AGRICULTURE
COMMERCE
TENNESSEE NO. 1829

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Building Setbacks

616 Southgate Avenue

Nashville, Davidson County, Tennessee

Sheet No.

V-2.3

SITE DATA: PRE-DEVELOPMENT

Total Site Area 7,656 SF

PRE-DEVELOPMENT IMPERVIOUS: 2,895 SF

Buildings	1,310 SF
Parking/Drives	1,494 SF
Walks/Misc Pads	91 SF

SITE DATA: POST-DEVELOPMENT

Total Site Area 7,656 SF

POST-DEVELOPMENT IMPERVIOUS: 4,640 SF (60.6 %)

Buildings	3,344 SF
Parking/Drives	1,198 SF
Walks/Misc Pads	98 SF

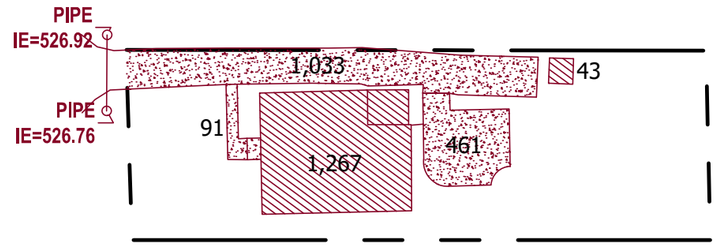
POST- IMPERVIOUS NET GAIN: 1,745 SF (TIER I)

STORMWATER NET GAIN TREATMENT

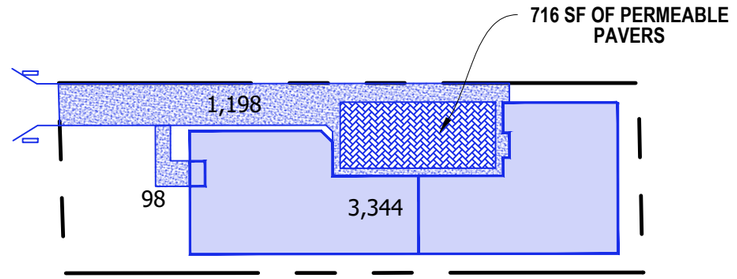
Total Site Area 7,656 SF

POST-DEVELOPMENT STORMWATER TREATMENT: 1,745 SF

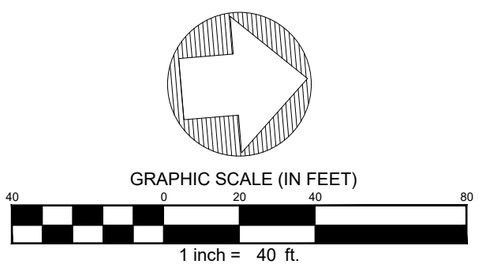
Permeable Pavers Required: 716 SF @ 5" Lower Stone Depth

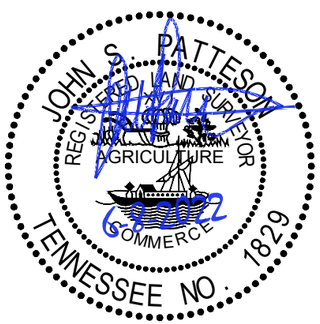


PRE-DEVELOPMENT



POST-DEVELOPMENT





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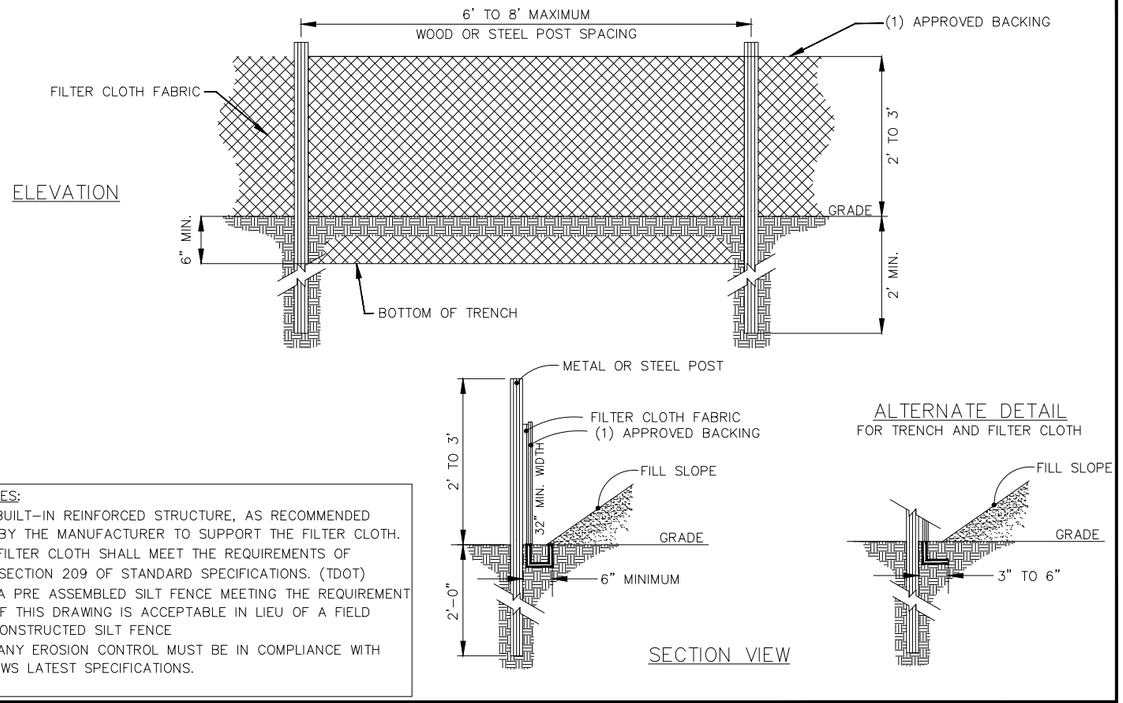
Impervious Areas

616 Southgate Avenue

Nashville, Davidson County, Tennessee

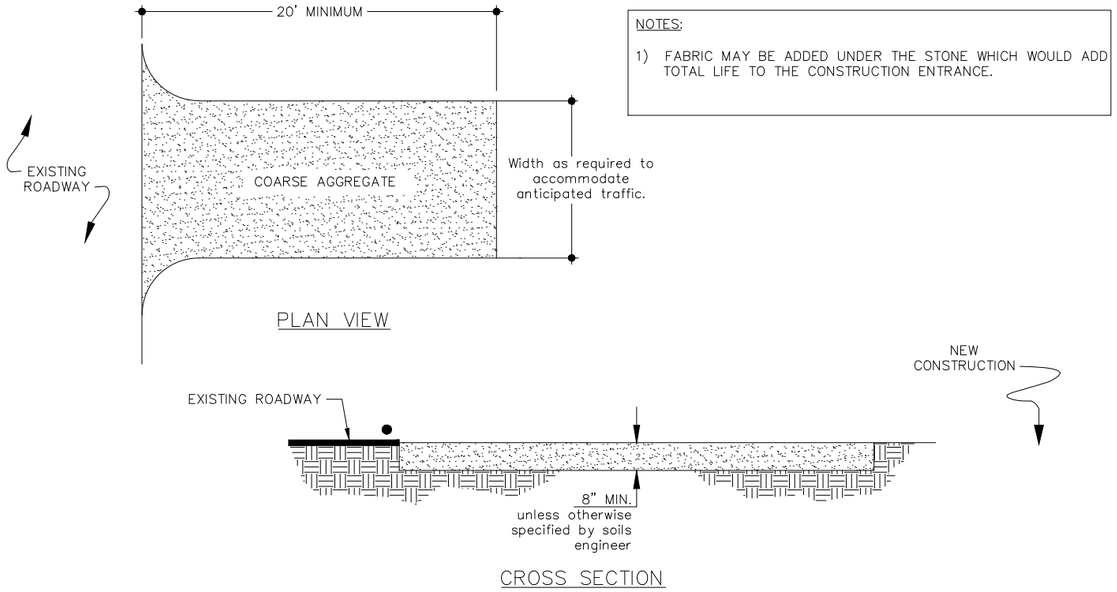
Sheet No.

V-2.4



NOTES:
1) BUILT-IN REINFORCED STRUCTURE, AS RECOMMENDED BY THE MANUFACTURER TO SUPPORT THE FILTER CLOTH.
2) FILTER CLOTH SHALL MEET THE REQUIREMENTS OF SECTION 209 OF STANDARD SPECIFICATIONS. (TDOT)
3) A PRE ASSEMBLED SILT FENCE MEETING THE REQUIREMENT OF THIS DRAWING IS ACCEPTABLE IN LIEU OF A FIELD CONSTRUCTED SILT FENCE
4) ANY EROSION CONTROL MUST BE IN COMPLIANCE WITH MWS LATEST SPECIFICATIONS.

NOT TO SCALE	TYPICAL TEMPORARY SILT FENCE	DWG. No.
DATE: 05/05/08		SDET012 SHEET 1 OF 1



NOTES:
1) FABRIC MAY BE ADDED UNDER THE STONE WHICH WOULD ADD TOTAL LIFE TO THE CONSTRUCTION ENTRANCE.

STANDARD RESIDENTIAL CONSTRUCTION ENTRANCE	NOT TO SCALE
	SHEET 1 OF 1

SITE GRADING & EROSION CONTROL NOTES

1. NO PORTION OF THE PROPERTY SHOWN LIES WITHIN A 100 YEAR FLOOD HAZARD AREA AS PER THE CURRENNT FEDERAL EMERGENCY MANAGEMENT AGENCY, (FIRM) MAP.
2. CLEAN SILT BARRIERS WHEN THEY ARE APPROXIMATELY 33% FILLED WITH SEDIMENT, SILT BARRIERS SHALL BE REPLACED AS EFFECTIVENESS IS SIGNIFICANTLY REDUCED, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
3. REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN THEY ARE NO LONGER NEEDED.
4. PROVIDE TEMPORARY CONSTRUCTION ACCESS(ES) AT THE POINT(S) WHERE CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA. MAINTAIN PUBLIC ROADWAYS FREE OF TRACKED MUD AND DIRT.
5. PROVIDE POSITIVE SLOPE (2% MINIMUM) TO DRAIN ALL BALCONIES, DECKS, PATIOS, WALL(S), DRIVEWAYS, GRADE ADJACENT TO BUILDINGS, AND SWALES REGARDLESS WHETHER PLANS GRAPHICALLY PORTRAY OR INDICATE SLOPE. FINAL CONSTRUCTION SHALL NOT PERMIT PONDING OF WATER IN ANY OF FOREGOING AREAS.

IF YOU DIG IN TENNESSEE...
CALL US FIRST!
1-800-351-1111
1-615-366-1987
TENNESSEE ONE CALL
IT'S THE LAW

JOHN S. PATTESON
REGISTERED LAND SURVEYOR
AGRICULTURE
COMMERCE
TENNESSEE NO. 1829
6/9/2022

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Site Details
616 Southgate Avenue
Nashville, Davidson County, Tennessee

Sheet No.
V-2.5

GRAPHIC SCALE (IN FEET)

10 0 5 10 20

1 inch = 10 ft.

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JOHN S. PATTESON
REGISTERED LAND SURVEYOR
AGRICULTURE
COMMERCE
TENNESSEE NO. 1829

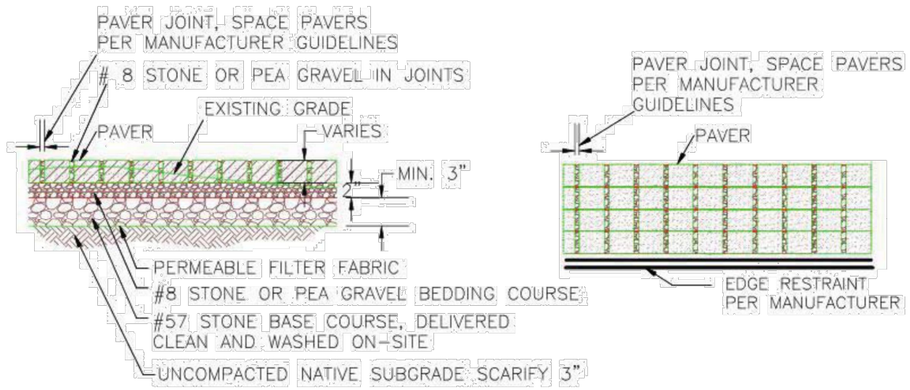
Building Elevations

616 Southgate Avenue

Nashville, Davidson County, Tennessee

Sheet No.

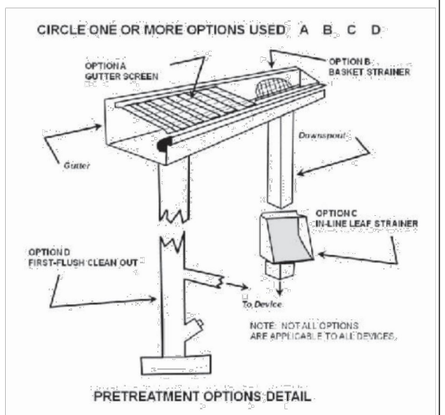
V-2.6



TYPICAL COMPONENTS (ATTACH MANUFACTURER'S SPECIFICATIONS)

CONSTRUCTION STEPS:

1. Review potential paver areas and layout. Pavers should slope less than 6% away from the structure and should not be located: (1) above an area with a water table or bedrock less than two feet below the trench bottom; (2) over other utility lines; or, (3) above a septic field.
2. Measure the area draining to the pavers and determine required paver area from the table on the next page based on the depth of the lower stone storage layer.
3. If soil is a concern perform infiltration test according to Section B. If the rate is less than 0.25 in/hr this method cannot be used. If the rate is more than 0.50 in/hr the pave area may be decreased 10% for every 0.50 in/hr infiltration rate increase above 0.50 in/hr.
4. Excavate area to appropriate depth and scarify soil to 3-4".
5. Place, level and compact gravel to planned depth in no more than 6" lifts. Three inch minimum depth.
6. Place, level and compact #8 stone or pea gravel bedding layer. Two inch minimum depth.
7. Lay paving stone one at a time or using mechanical placement as applicable. Cut stone at edges to fit.
8. Install edge restraints per manufacturer's specifications.
9. Sweep more #8 stone or pea gravel into stone joints until filled and even.
10. Cut and route downspouts or other rainwater delivery components, leaf screen option(s) chosen (circle selected options in Pretreatment Options Detail figure). Strap and support as needed.



PRETREATMENT OPTIONS DETAIL

METRO NASHVILLE DEPARTMENT OF WATER SERVICES	NAME/ADDRESS:	PERMEABLE PAVER SPECIFICATIONS PAGE 1 OF 2

SKETCH LAYOUT

PROVIDE PLAN AND ELEVATION VIEWS OF PERVIOUS PAVER AND HOUSE SHOWING ROOF AREA DIRECTED TO PAVERS AND KEY DIMENSIONS, CONNECTIONS AND ANY APPLICABLE OVERFLOW RELATIVE TO PROPERTY LINE. ATTACH MANUFACTURER'S SPECIFICATIONS IF APPLICABLE.

PERMEABLE PAVERS

SIZING CALCULATION:

Contributing Drainage Area (square feet)	Depth of Lower Stone Storage Layer (inches)				
	3	4	5	6	8
	Area of Pavers (square feet)				
100	54	45	39	34	27
500	280	230	200	170	140
1000	550	460	390	340	280
2000	1090	910	780	680	550
3000	1630	1360	1170	1020	820
4000	2180	1810	1560	1360	1090
5000	2720	2270	1940	1700	1360

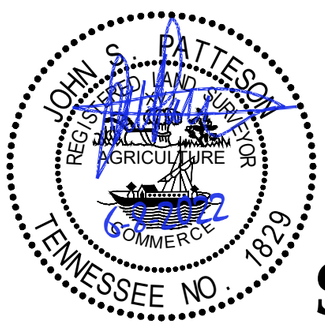
MEASURE CONTRIBUTING DRAINAGE AREA AND READ AREA FOR GIVEN MEDIA DEPTH.

CONTRIBUTING DRAINAGE AREA= __1,835__ SQ FT
DEPTH OF STONE MEDIA= ___5____ INCHES
PAVER AREA= __716__ SQ FT

MAINTENANCE:

1. REMOVE ACCUMULATED SEDIMENT AND DEBRIS FROM JOINT SPACE MONTHLY.
2. OBSERVE THE PERMEABLE PAVER SYSTEM FOR EXCESSIVE PONDING DURING STORM EVENTS AND REPAIR AS NEEDED.
3. VACUUM, SWEEP, OR BLOW PERMEABLE PAVER SURFACE QUARTERLY TO KEEP THE SURFACE FREE OF SEDIMENT. NEW STONE MAY NEED TO BE SWEPT INTO THE JOINTS AS NEEDED.
4. INSPECT PERMEABLE PAVER SURFACE FOR DETERIORATION ANNUALLY. REPAIR OR REPLACE ANY DAMAGED AREAS AS NEEDED.

METRO NASHVILLE DEPARTMENT OF WATER SERVICES	ATTACHED THIS TWO-PAGE SPECIFICATION TO HOUSE PLAN SUBMITTAL	PERMEABLE PAVER SPECIFICATIONS PAGE 2 OF 2



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Stormwater Details

616 Southgate Avenue

Nashville, Davidson County, Tennessee

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